

7. An order wire monitoring method for monitoring from a monitoring control terminal a quality of an order wire line which couples a plurality of transmission apparatuses via multiplexed lines which multiplex and transmit main and order wire signals, comprising the steps of:

remotely specifying, from the monitoring control terminal, a transmission apparatus which is to transmit test data as a specified transmitting apparatus, and a transmission apparatus which is to receive test data as a specified receiving apparatus;

transmitting the test data from the specified transmitting apparatus to the order wire line in response to a start of a test instructed from the monitoring control terminal;

receiving and temporarily storing the test data in the specified receiving apparatus;

analyzing the received data to produce analyzed data, and temporarily storing the analyzed data in the specified receiving apparatus;

comparing the stored analyzed data to threshold values to produce judgment data indicative of a judgment result of the comparison;

transmitting from the specified receiving apparatus to the monitoring control terminal via the specified transmitting apparatus one of the stored received test data, the stored analyzed data of the received test data, and the judgment data indicative of a judgment result of a comparison of the analyzed data and threshold values, after a predetermined time or at a specified time; and

monitoring, in the monitoring control terminal, the quality of the order wire line between the specified transmitting apparatus and the specified receiving apparatus based on data transmitted by the specified receiving apparatus.